

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/063288 A1

(51) International Patent Classification⁷: **A61K 39/39**,
9/127

(21) International Application Number:
PCT/EP2004/014630

(22) International Filing Date:
22 December 2004 (22.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03029801.2 23 December 2003 (23.12.2003) EP

(71) Applicant (for all designated States except US): **VECTRON THERAPEUTICS AG** [DE/DE]; Rudolf-Breitscheid-Str. 24, 35037 Marburg (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KONUR, Abdo** [DE/DE]; Cilly-Schäfer-Strasse 28, 35037 Marburg (DE). **GRASER, Andreas** [DE/DE]; Füllenplatz 18, 79618 Rheinfelden (Baden) (DE).

(74) Agents: **ZWICKER, Jörk** et al.; Boehmert & Boehmert, Hollerallee 32, 28209 Bremen (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SYNERGISTIC LIPOSOMAL ADJUVANTS

(57) Abstract: The present invention relates to liposome, mixtures or liposomes and liposomal compositions comprising at least two different adjuvants and a therapeutic agent, their production and use for the prevention and therapy of proliferative diseases, infectious diseases, vascular diseases, rheumatoid diseases, inflammatory diseases, immune diseases, in particular autoimmune diseases and allergies.

WO 2005/063288 A1